INTERNATION A. SEARCH REPORT

Internal application No.
PCT/JP03/12563

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ C23C16/509, H01L21/205, H05H1/46, B01J19/08				
According to International Patent Classification (IPC) or to both national classification and IPC				
	SEARCHED			
Minimum do Int.	ocumentation searched (classification system followed by C1 ⁷ C23C16/50-16/517, H01L21/2	oy classification symbols) 05, H05H1/46		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Toroku Jitsuyo Shinan Koho 1994-2003				
Electronic d	ata base consulted during the international search (name	e of data base and, where practicable, sea	rch terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap		Relevant to claim No.	
X Y A	LTD.), 10 November, 1999 (10.11.99), Claims; examples	AVY INDUSTRIES,	1,2,3,11,12 4,6 5,7-10	
	& JP 2961103 B1 Claims; examples & AU 9912141 A & US & DE 69906180 E	2002/000201 A1		
X Y A	JP 2000-58465 A (MITSUBISHI LTD.), 25 February, 2000 (25.02.00), Par. Nos. [0012] to [0020], & EP 961307 A1 & AU & KR 99087863 A	[0043] to [0046]	1,2,3,11,12 4,6 5,7-10	
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be		
date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is		
"O" docum means "P" docum	ent referring to an oral disclosure, use, exhibition or other tent published prior to the international filing date but later	combined with one or more other such combination being obvious to a persor document member of the same patent	n documents, such n skilled in the art	
Date of the actual completion of the international search 25 December, 2003 (25.12.03) Date of mailing of the international search report 20 January, 2004 (20.01.04)				
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

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Internation application No.
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	JP 2816365 B2 (Kabushiki Kaisha Yuha Mikakuto Seimitsu Kogaku Kenkyusho), 27 October, 1998 (27.10.98), Column 13, lines 34 to 47; Fig. 1 (Family: none)	4,6		
A	JP 2001-274099 A (MITSUBISHI HEAVY INDUSTRIES, LTD.), 05 October, 2001 (05.10.01), Full text & US 2001/021422 A1 & AU 200111108 A & EP 1134773 A & KR 2001091880 A & TW 507256 A	1-12		
A	JP 2001-7028 A (MITSUBISHI HEAVY INDUSTRIES, LTD.), 12 January, 2001 (12.01.01), Full text & WO 00/79844 A1 & AU 200052496 A & EP 1107653 A1 & KR 2001072478 A & TW 451306 A & US 6417079 B1	1-12		
A	JP 2001-321662 A (Nihon Koshuha Co., Ltd.), 20 November, 2001 (20.11.01), Full text (Family: none)	1-12		
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